AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application:

LISTING OF CLAIMS:

Claims 1 to 28. (Canceled).

- 29. (Previously Presented) The dosing mechanism of claim 32, wherein the metering in device is a fuel injector.
- 30. (Previously Presented) The dosing mechanism of claim 29, wherein the fuel injector includes a low pressure fuel injection valve which operates at one of fuel and propellant pressures of up to 10 bar.
- 31. (Previously Presented) The dosing mechanism of claim 32, wherein the insulating body is made of a ceramic material.
- 32. (Currently Amended) [[A]] <u>The</u> dosing mechanism for dispensing liquid fuels into a chemical reformer to obtain hydrogen, comprising:

at least one metering in device for metering fuel into a supply line including at least one dosing aperture exposed to a flow of a high-temperature material; and

a holding device—for accommodating the metering in device including an insulating body which thermally insulates the metering in device from an element containing the high-temperature material;

of claim 33, wherein the insulating body includes a plurality of subcomponents.

33. (Previously Presented) A dosing mechanism for dispensing liquid fuels into a chemical reformer to obtain hydrogen, comprising:

at least one metering in device for metering fuel into a supply line including at least one dosing aperture exposed to a flow of a high-temperature material; and

a holding device for accommodating the metering in device including an insulating body which thermally insulates the metering in device from an element containing the high-temperature material;

wherein the flow of the high-temperature material is entrained in a tube shaped transporting line.

- 34. (Previously Presented) The dosing mechanism as recited in claim 33, wherein the insulating body is annular and encircles the transporting line.
- 35. (Previously Presented) The dosing mechanism of claim 32, further comprising:

a clamp positioned to grasp the insulating body.

- 36. (Previously Presented) The dosing mechanism of claim 35, wherein the clamp is ring shaped.
- 37. (Previously Presented) The dosing mechanism of claim 35, wherein the clamp is fastened to the insulating body by at least one fastening element.
- 38. (Previously Presented) A dosing mechanism for dispensing liquid fuels into a chemical reformer to obtain hydrogen, comprising:

at least one metering in device for metering fuel into a supply line including at least one dosing aperture exposed to a flow of a high-temperature material; and

a holding device for accommodating the metering in device including an insulating body which thermally insulates the metering in device from an element containing the high-temperature material;

wherein the clamp is fastened to the insulating body by at least one fastening element;

further comprising:

- a clamp positioned to grasp the insulating body; and
- a jacket partially surrounding the insulating body with an air gap.
- 39. (Previously Presented) The dosing mechanism of claim 38, wherein the jacket is made of a non ceramic material.
- 40. (Previously Presented) The dosing mechanism of claim 39, wherein the jacket is made of a metal.

- 41. (Previously Presented) The dosing mechanism of claim 39, wherein the jacket does not contact the clamp and the insulating body.
- 42. (Previously Presented) The dosing mechanism of claim 39, further comprising:

an accommodation part; and

a holding crosspiece which fastens the accomodation part to the jacket.

- 43. (Previously Presented) The dosing mechanism of claim 42, wherein the holding crosspiece is coupled to the accommodation part by a detachable joint.
- 44. (Previously Presented) The dosing mechanism of claim 43, wherein the detachable joint includes a screw connection.
- 45. (Previously Presented) The dosing mechanism of claim 42, wherein the holding crosspiece is attached to the jacket by a joint.
- 46. (Previously Presented) The dosing mechanism of claim 45, wherein the joint includes one of a soldered and welded connection.
- 47. (Previously Presented) The dosing mechanism of claim 42, wherein the holding crosspiece is flat.
- 48. (Previously Presented) The dosing mechanism of claim 33, wherein the at least one dosing aperture opens out approximately at a lateral axial center of the transporting line.
- 49. (Previously Presented) The dosing mechanism of claim 32, wherein a plurality of dosing apertures having different hole diameters are provided.
- 50. (Previously Presented) The dosing mechanism of claim 32, wherein the at least one dosing aperture is directed counter to the flow of the high-temperature material.

- 51. (Previously Presented) The dosing mechanism of claim 32, wherein the dosing aperture is directed radially with respect to a direction of the flow of the high-temperature material.
- 52. (Previously Presented) The dosing mechanism of claim 33, wherein the transporting line has an axis including a cross sectional constriction.
- 53. (Previously Presented) A dosing mechanism for dispensing liquid fuels into a chemical reformer to obtain hydrogen, comprising:

at least one metering in device for metering fuel into a supply line including at least one dosing aperture exposed to a flow of a high-temperature material; and

a holding device for accommodating the metering in device including an insulating body which thermally insulates the metering in device from an element containing the high-temperature material;

wherein the supply line includes an arrangement for improving heat absorption.

- 54. (Previously Presented) The dosing mechanism of claim 53, wherein the arrangement for improving the heat absorption include heat conducting vanes.
- 55. (Previously Presented) The dosing mechanism as recited in claim 54, wherein the heat conducting vanes are fastened to the supply line by one of soldering and welding.
- 56. (Previously Presented) The dosing mechanism of claim 52, wherein a dosing pipe extends at a right angle to the axis of the transporting line.
- 57. (Previously Presented) The dosing mechanism of claim 53, wherein the supply line has at least one of a wall-thickness reduced location and a wall-thickness reduced region in its axis.